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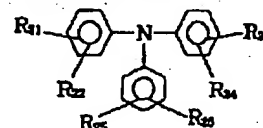
## (54) FIELD ELECTROLUMINESCENCE ELEMENT

are each formula I, formula II, etc.).

## (57) Abstract:

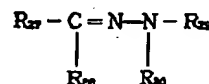
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PURPOSE: To obtain the inexpensive element containing a polycarbonate polymer having a charge-transporting group on its side chain in an organic compound layer, capable of exhibiting high brightness and various luminous color tone, having heat resistance and durability, and easily producible.

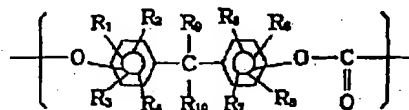


I

→ CONSTITUTION: This field electroluminescence element holds an organic compound layer between the anode and the cathode. The organic compound layer contains a polycarbonate polymer having a charge-transporting group on the side chain. Preferable charge-transporting group is a triphenylamine structure- containing group of formula I ( $R_{21}$  to  $R_{26}$  are each H, a halogen, etc.), a hydrazone structure-containing group of formula II ( $R_{27}$  and  $R_{28}$  are each H, an alkyl, etc.;  $R_{29}$  and  $R_{30}$  are each an alkyl, an aryl, etc., and at least one of  $R_{29}$  and  $R_{30}$  is an aryl). Further, the polycarbonate polymer preferably has a recurring unit expressed by formula III ( $R_1$  to  $R_8$  are each H, an alkoxy, etc.; one of  $R_9$  and  $R_{10}$  is a group of formula I, formula II, etc., and the other is H, an alkenyl, etc., or both of them



II



III

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